

AMENDMENTS

Please amend the present application as follows:

Claims

The following is a copy of Applicants' claims that identifies language being added with underlining ("____") and language being deleted with strikethrough ("_____"), as is applicable:

1. (Currently Amended) A method comprising:

receiving a first frame from a shared-communications channel wherein said first frame comprises:

- (i) a first basic service set identifier;
- (ii) a first internet protocol address; ~~and~~
- (iii) a second internet protocol address; and
- (iv) a first frame body;

passing said first frame based on said first basic service set identifier;
tagging said first frame body with a tag that represents said first basic service set identifier; and

transmitting a second frame into said shared-communications channel wherein said second frame comprises:

- (i) a second basic service set identifier that is different from said first basic service set identifier;
- (ii) a third internet protocol address that is different from said first internet protocol address; ~~and~~
- (iii) said second internet protocol address~~[.].~~; and
- (iv) a second frame body wherein said second frame body comprises said first frame body and said tag.

2. (Canceled)

3. (Previously Presented) The method of claim 1 wherein said first basic service set identifier is a medium access control address of a wireless interface in an access point.
4. (Original) The method of claim 1 wherein said passing admits frames comprising an infrastructure basic service set identifier and frames comprising an independent basic service set identifier.
5. (Original) The method of claim 1 wherein said first frame comprises a user data block and said second frame comprises said user data block.

6. (Currently Amended) An apparatus comprising:

a receiver for receiving a first frame from a shared-communications channel
wherein said first frame comprises:

- (i) a first basic service set identifier;
- (ii) a first internet protocol address; and
- (iii) a second internet protocol address; and
- (iv) a first frame body;

a processor for:

- (i) passing said first frame based on said first basic service set identifier;
and
- (ii) tagging said first frame body with a tag that is representative of said first basic service set identifier;

a transmitter for transmitting a second frame into said shared-communications channel wherein said second frame comprises:

- (i) a second basic service set identifier that is different from said first basic service set identifier;
- (ii) a third internet protocol address that is different from said first internet protocol address; and
- (iii) said second internet protocol address[.]; and
- (iv) a second frame body wherein said second frame body comprises said first frame body and said tag.

7. (Canceled)

8. (Previously Presented) The apparatus of claim 6 wherein said first basic service set identifier is a medium access control address of a wireless interface in an access point.

9. (Original) The apparatus of claim 6 wherein said passing admits frames comprising an infrastructure basic service set identifier and frames comprising an independent basic service set identifier.

10. (Original) The apparatus of claim 6 wherein said first frame comprises a user data block and said second frame comprises said user data block.

11. (Currently Amended) A method comprising:

receiving a first frame from a shared-communications channel wherein said first frame comprises:

- (i) a first basic service set identifier; ~~and~~
- (ii) a first internet protocol address; ~~and~~
- (iii) a first frame body;

passing said first frame based on said first basic service set identifier;

tagging said first frame body with a tag that is representative of said first basic service set identifier;

translating said first internet protocol address to a second internet protocol address; and

transmitting a second frame into said shared-communications channel wherein said second frame comprises:

- (i) a second basic service set identifier; ~~and~~
- (ii) said second internet protocol address~~[I.]~~; ~~and~~
- (iii) a second frame body wherein said second frame body comprises said first frame body and said tag.

12. (Canceled)

13. (Original) The method of claim 11 wherein: said first frame comprises a third internet protocol address and a user data block; and said second frame comprises said third internet protocol address and said user data block.

14. (Original) The method of claim 13 wherein said user data block is encrypted.

15. (Canceled)

16. (Previously Presented) The method of claim 11 wherein said first basic service set identifier is a medium access control address of a wireless interface in an access point.

17. (Original) The method of claim 11 wherein said passing admits frames comprising an infrastructure basic service set identifier and frames comprising an independent basic service set identifier.

18. (Currently Amended) An apparatus comprising:

a receiver for receiving a first frame from a shared-communications channel
wherein said first frame comprises:

- (i) a first basic service set identifier; ~~and~~
- (ii) a first internet protocol address; ~~and~~
- (iii) a first frame body;

a first processor for passing said first frame through a basic service set identifier
~~filter and tagging said first frame body with a tag that is representative of said first basic~~
~~service set identifier;~~

a second processor for translating said first internet protocol address to a second
internet protocol address; and

a transmitter for transmitting a second frame into said shared-communications
channel wherein said second frame comprises:

- (i) a second basic service set identifier; ~~and~~
- (ii) said second internet protocol address~~[.]; and~~
- (iii) a second frame body wherein said second frame body comprises said
first frame body and said tag.

19. (Canceled)

20. (Currently Amended) The apparatus of claim 18 wherein:

said first frame body comprises a third internet protocol address and a user data
block; and

said second frame body comprises said third internet protocol address and said
user data block.

21. (Original) The apparatus of claim 20 wherein said user data block is encrypted.
22. (Canceled)
23. (Previously Presented) The apparatus of claim 18 wherein said first basic service set identifier is a medium access control address of a wireless interface in an access point.
24. (Original) The apparatus of claim 18 wherein said passing admits frames comprising an infrastructure basic service set identifier and frames comprising an independent basic service set identifier.